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Abstract

The invention relates to the design of punches for producing holes in the walls of hollow parts, the part being subjected to the action of high pressure in the interior by a medium during the punching. In particular when producing hollow parts by the internal high pressure forming process, it is normal practice, following the forming and with the part still located in the forming tool, to make holes in the wall. In order to avoid a drop in the internal high pressure when cutting through the wall of the part, the punch is designed so as to taper at an angle toward the cutting edge in its region plunging into the part to be punched. As a result, sealing of the hole occurs during the punching.

(Fig. 2)